

Meta-analysed brain tissues for gene expression eQTL

Top hits in EAS

probeID	ProbeChr	Gene	Probe_bp	topSNP	topSNP_chr	topSNP_bp	A1	A2	Freq	b_GWAS	se_GWAS	p_GWAS	b_eQTL	se_eQTL	p_eQTL	b_SMR	se_SMR	p_SMR	p_HEIDI	nsnp_HEIDI
ENSG00000100000	14	DHRS1	24764421	rs4557933	14	24768949	C	G	0.715278	0.069884	0.013454	2.06E-07	-0.51726	0.040916	1.24E-36	-0.13511	0.028121	1.55E-06	1.2527E-21	6 GWS
ENSG00000100000	11	ATM	108166520	rs1089082	11	108027060	A	C	0.853175	-0.05031	0.009138	3.67E-08	-0.22175	0.036817	1.71E-09	0.2269	0.055835	4.83E-05	0.0636192	12 notGWS

Comparative results in EUR

ENSG00000100000	14	DHRS1	24764421	rs1289241	14	24768534	T	G	0.818091	0.004958	0.007131	0.48795	-0.58966	0.037775	6.27E-55	-0.00841	0.012106	0.487325	0.2380461	20 notGWS
ENSG00000100000	11	ATM	108166520	rs1121261	11	108283161	A	C	0.276342	-0.0321	0.008037	6.76E-05	-0.21359	0.036857	6.83E-09	0.150301	0.045702	0.001006	0.4669738	7 notGWS

Prefrontal cortex - Gene expression - eQTL - PsychENCODE

Significant hits in EAS

ProbeChr	Gene	Probe_bp	topSNP	topSNP_chr	topSNP_bp	A1	A2	Freq	b_GWAS	se_GWAS	p_GWAS	b_eQTL	se_eQTL	p_eQTL	b_SMR	se_SMR	p_SMR	p_HEIDI	nsnp_HEIDI	
ENSG00000100000	11	ATM	108093211	rs6589008	11	108041897	G	A	0.159722	-0.05163	0.009122	1.51E-08	-0.36111	0.039039	2.25E-20	0.142977	0.029614	1.38E-06	0.05901643	20 GWS
ENSG00000100000	14	DHRS1	24759804	rs2295313	14	24739055	G	T	0.109127	0.052143	0.010215	3.32E-07	-0.4451	0.036383	2.05E-34	-0.11715	0.024867	2.47E-06	1.11E-05	7 GWS
ENSG00000100000	7	GPR37	124386051	rs7791045	7	124385842	C	T	0.076389	-0.05361	0.009051	3.16E-09	-0.33125	0.038056	3.20E-18	0.161839	0.033051	9.75E-07	0.2215203	11 GWS

Comparative results in EUR

11	ATM	108093211	rs227053	11	108226855	T	A	0.012923	-0.0304	0.007538	5.76E-05	-0.33649	0.03721	1.52E-19	0.090334	0.024529	0.000231	0.8738592	12 notGWAS
14	DHRS1	24759804	rs7146665	14	24762882	G	C	0.488072	0.006541	0.007532	0.386287	-0.61868	0.036815	2.24E-63	-0.01057	0.01219	0.385761	0.2599006	15 notGWAS
7	GPR37	124386051	rs4731206	7	124385665	A	T	0.033797	0.009638	0.008102	0.235372	0.284438	0.045029	2.67E-10	0.033883	0.028985	0.242414	0.00434819	13 notGWAS

Significant hits in EUR

ProbeChr	Gene	Probe_bp	topSNP	topSNP_chr	topSNP_bp	A1	A2	Freq	b_GWAS	se_GWAS	p_GWAS	b_eQTL	se_eQTL	p_eQTL	b_SMR	se_SMR	p_SMR	p_HEIDI	nsnp_HEIDI	
ENSG00000100000	10	RP11-541N10.3	105637132	rs1159801	10	105661315	A	C	0.232604	-0.03959	0.007119	2.91E-08	0.384414	0.038475	1.66E-23	-0.10298	0.021194	1.18E-06	0.1069691	11 GWS
ENSG00000100000	3	MYNN	169490619	rs9868000	3	169510789	A	G	0.192843	-0.08886	0.008	1.56E-28	0.298613	0.040977	3.16E-13	-0.29758	0.048839	1.11E-09	0.1733049	14 GWS
ENSG00000100000	3	RP11-362K14.5	169494980	rs9868000	3	169510789	A	G	0.192843	-0.08886	0.008	1.56E-28	-0.30884	0.040948	4.62E-14	0.28773	0.046113	4.38E-10	0.1315373	14 GWS
ENSG00000100000	3	LRR34	169511216	rs1004945	3	169563523	G	T	0.530815	-0.06872	0.007952	6.64E-18	-0.40481	0.036937	5.99E-28	0.169767	0.025017	1.15E-11	0.00090566	10 GWS

Comparative results in EAS

10	RP11-541N10.3	105637132	rs3522332	10	105646395	T	C	0.109127	0.039033	0.009633	5.08E-05	0.384747	0.038506	1.65E-23	0.101451	0.027018	0.000173	7.07E-05	15 notGWAS
3	MYNN	169490619	rs1093659	3	169467481	C	T	0.209325	-0.03319	0.009092	0.000262	0.236817	0.039664	2.36E-09	-0.14017	0.045003	0.001842	0.00321329	13 notGWAS
3	RP11-362K14.5	169494980	rs1093659	3	169467481	C	T	0.209325	-0.03319	0.009092	0.000262	-0.27557	0.039568	3.29E-12	0.120453	0.037253	0.001223	0.00803333	12 notGWAS
3	LRR34	169511216	rs1093659	3	169467481	C	T	0.105159	-0.03319	0.009092	0.000262	-0.26365	0.039599	2.77E-11	0.125898	0.03933	0.001369	6.23E-06	8 notGWAS

Meta analysed brain tissues - Methylation - mQTLs

Significant hits in EAS

probeID	ProbeChr	Gene	Probe_bp	topSNP	topSNP_chr	topSNP_bp	A1	A2	Freq	b_GWAS	se_GWAS	p_GWAS	b_eQTL	se_eQTL	p_eQTL	b_SMR	se_SMR	p_SMR	p_HEIDI	nsnp_HEIDI
cg0062441	5	NA	1282357	rs2736100	5	1286516	C	A	0.960317	0.109052	0.009107	4.79E-33	-0.50052	0.041402	1.20E-33	-0.21788	0.025609	1.77E-17	0.01272385	4 GWS
cg0738002	5	NA	1296007	rs2853669	5	1295349	A	G	0.500992	-0.08186	0.009232	7.47E-19	0.418823	0.05349	4.88E-15	-0.19546	0.033302	4.37E-09	0.01526583	7 GWS
cg0629427	7	NA	124387056	rs3735270	7	124387092	G	C	0.796627	-0.05382	0.009086	3.14E-09	0.443504	0.042676	2.69E-25	-0.12136	0.023581	2.65E-07	0.3502334	15 GWS

Comparative results in EUR

cg0062441	5	NA	1282357	rs2736100	5	1286516	C	A	0.121272	0.07827	0.008738	4.05E-19	-0.50052	0.041402	1.20E-33	-0.15638	0.021728	6.15E-13	0.8279442	4 GWS
cg0738002	5	NA	1296007	rs4975615	5	1315343	G	A	0.568588	0.015693	0.007635	0.040324	0.34611	0.04334	1.39E-15	0.045342	0.022779	0.046534	0.0194275	10 notGWAS
cg0629427	7	NA	124387056	rs3735270	7	124387092	G	C	0.686879	-0.0125	0.007964	0.117511	0.443504	0.042676	2.69E-25	-0.02818	0.01816	0.120774	0.1147575	19 notGWAS

Significant hits in EUR

cg0819357	3	NA	169529701	rs6793160	3	169535266	T	G	0.936382	-0.07309	0.008278	1.27E-18	1.05003	0.027195	0	-0.06961	0.008087	7.47E-18	1.68E-05	19 GWS
cg1099491	3	NA	169531864	rs6793160	3	169535266	T	G	0.974155	-0.07309	0.008278	1.27E-18	0.537283	0.041311	1.14E-38	-0.13603	0.018622	2.77E-13	0.0173542	16 GWS
cg0062441	5	NA	1282357	rs2736100	5	1286516	C	A	0.121272	0.07827	0.008738	4.05E-19	-0.50052	0.041402	1.20E-33	-0.15638	0.021728	6.15E-13	0.8279442	4 GWS
cg1100555	10	NA	105648138	rs1980653	10	105654164	A	G	0.742545	0.039266	0.007194	5.19E-08	-1.12165	0.025332	0	-0.03501	0.006463	6.06E-08	0.00039171	20 GWS
cg2066272	19	NA	22235022	rs7253490	19	22293706	A	C	0.703777	0.046826	0.007749	1.66E-09	-1.33025	0.035889	1.00E-300	-0.0352	0.005902	2.46E-09	0.00782611	11 GWS
cg0575134	20	NA	62405935	rs1271031	20	62410049	A	G	0.900596	-0.03742	0.007221	2.35E-07	1.07407	0.026595	0	-0.03483	0.006778	2.75E-07	0.00040879	20 GWS
cg1425126	20	NA	62406428	rs1271031	20	62410049	A	G	0.207753	-0.03742	0.007221	2.35E-07	1.07001	0.026688	0	-0.03497	0.006804	2.76E-07	0.00194219	20 GWS
cg0263091	20	NA	62436995	rs6010659	20	62437022	A	G	0.687873	-0.05846	0.010626	4.06E-08	1.53398	0.034627	0	-0.03811	0.00698	4.77E-08	0.01482589	19 GWS
cg2129198	20	NA	62437035	rs6010659	20	62437022	A	G	0.687873	-0.05846	0.010626	4.06E-08	0.901011	0.048406	2.49E-77	-0.06488	0.012298	1.32E-07	0.2275928	14 GWS
cg0186155	20	ZBTB46	62439108	rs4809362	20	62450780	A	C	0.491054	-0.05931	0.010695	3.16E-08	0.805814	0.066338	5.94E-34	-0.0736	0.01459	4.54E-07	0.4030374	4 GWS

Comparative results in EAS

3	NA	169529701	rs1685433	3	169461571	T	G	0.469246	-0.06493	0.009149	1.28E-12	0.427371	0.064802	4.25E-11	-0.15192	0.031446	1.36E-06	0.00500038	5 notGWAS
3	NA	169531864	rs7527218	3	169534337	G	A	0.660714	0.075125	0.015117	6.71E-07	0.501889	0.089986	2.44E-08	0.149685	0.040342	0.000207	0.2511714	5 notGWAS
5	NA	1282357	rs2736100	5	1286516	C	A	0.960317	0.109052	0.009107	4.79E-33	-0.50052	0.041402	1.20E-33	-0.21788	0.025609	1.77E-17	0.01272385	4 GWS
10	NA	105648138	rs1980653	10	105654164	A	G	0.600198	-0.03877	0.009597	5.35E-05	-1.12165	0.025332	0	0.034566	0.008592	5.74E-05	1.08E-05	20 notGWAS
19	NA	22235022	rs7253490	19	22293706	A	C	0.127976	0.03622	0.009529	0.000144	-1.33025	0.035889	1.00E-300	-0.02723	0.007201	0.000156	0.1095734	13 notGWAS
20	NA	62405935	rs3810494	20	62406749	T	C	0.869048	-0.00536	0.009324	0.565286	1.0755	0.026563	0	-0.00499	0.008671	0.565329	0.1349963	20 notGWAS
20	NA	62406428	rs6122031	20	62413323	C	T	0.482143	-0.00929	0.009291	0.317383	1.0711	0.026669	0	-0.00867	0.008677	0.317533	0.08513331	20 notGWAS
20	NA	624																	